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## **RESOLUTION NO. U-11212**

A RESOLUTION related to Tacoma Water; authorizing participation in a City of Tacoma, Environmental Services, South West Regions Project.

WHEREAS the City of Tacoma, Tacoma Public Utilities, Water Division ("Tacoma Water") is requesting authorization to partner with the Environmental Services Department (ES) on a project to reconstruct certain existing roadways and replace certain underground utilities ("Project"), and

WHEREAS, a part of this Project, which will be administered by ES, is to replace approximately 2,300 feet of 6-inch to 16-inch existing water main, constructed circa 1905 to 1955, along South Wright Avenue, from Tacoma Avenue South to South "D" Street, along South 9th Street, from South Sprague Avenue to South Grant Avenue, and along North Karl Johan Avenue, from 6th Avenue to 600 feet Northerly, and

WHEREAS portions of the existing water main is over 100 years old and beyond the end of its operational life, and

WHEREAS Tacoma Water's total cost of the Project is \$972,134.48, including a 15-percent contingency, plus partner contract administration of \$25,367.75, for a cumulative total of \$997,502.23, plus applicable taxes,

WHEREAS funding for this project is available from Tacoma Water's WTR-00604-08-03, Construction Payments to ES, as is summarized in the Tacoma Water-Environmental Services Joint Agreement, and

WHEREAS Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Environmental Services project and project partnership will improve project delivery, reduce project



costs, improve system reliability, and consolidate construction disturbance to residents, and

WHEREAS Tacoma Water requests authority to participate in Environmental Services, South West Regions Project, for the above purpose and reasons; Now, Therefore,

BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

That Tacoma Water is authorized to participate in Environmental Services, South West Regions Project, in the amount of \$997,502.23, plus applicable taxes, and the proper officers of the City are authorized to execute any necessary agreements in a form as approved by the City Attorney.

Approved as to form:		
	Chair	
/s/		
Chief Deputy City Attorney	Secretary	
	Adopted	
Clerk	· 1/2	



#### **Board Action Memorandum**

TO:

Jackie Flowers, Director of Utilities

COPY:

Charleen Jacobs, Director and Board Offices

SD

FROM:

Scott Dewhirst, Water Superintendent, Tacoma Nater

Ali Polda, Principal Engineer, 253-502-8152

**MEETING DATE:** 

October 28th, 2020

DATE:

October 15th, 2020

#### **SUMMARY:**

Authorize Tacoma Water to participate in the City of Tacoma, Department of Environmental Services, South West Regions Project. Tacoma Water proposes to replace approximately 2,300 feet of 6-inch to 16-inch water main. Total project cost, including a 15 percent contingency, is \$972,134.48, plus partner contract administration of \$25,367.75, for a cumulative total of \$997,502.23, plus applicable taxes.

Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Environmental Services project. Project partnership will improve project delivery, reduce project costs, improve system reliability, and consolidate construction disturbance to residents.

#### BACKGROUND:

Tacoma Water is partnering with the Environmental Services Department to reconstruct the existing roadways, replace underground utilities including approximately 2,300 feet of existing water main, constructed circa 1905 to 1955, along South Wright Ave., from Tacoma Ave South to South "D" Street, along South 9th Street, from South Sprague Ave to South Grant Ave., and along North Karl Johan Ave., from 6th Ave to 600 feet Northerly.

Project partner contributions are summarized in the Tacoma Water-Environmental Services Joint Agreement.

ISSUE: The existing water main is over 100 years old and beyond the end of its operational life.

ALTERNATIVES: Rehabilitating the existing water main is cost prohibitive. It is more cost effective to mitigate the risk of future water main breaks under a new roadway by replacing the water main with partnerships such as this.



#### **Board Action Memorandum**

#### ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? N/A

ATTACHMENTS: Project Map

City Manager Action Memorandum

Agreement for Joint Project Tacoma Water - Environmental Services

CONTACT: Ali Polda, Principal Engineer, 253-502-8152

Jessica Knickerbocker, Assistant Division Manager, 253-389-8044



#### City Manager Action Memorandum

TO: Elizabeth A. Pauli, City Manager

FROM: Michael P. Slevin III, P.E., Environmental Services Director

John Burk, P.E., ES Science & Engineering Division Manager Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer

Shannon Wall, P.E., Tacoma Water Planning & Engineering Division Manager

**COPY:** City Council, City Manager, City Clerk, EIC Coordinator, LEAP Coordinator,

Jordan Ennis, P.E., Ali Polda, P.E., Troy Saghafi, P.E., Erik Sloan, Pavement

Manager, and Tina Eide, Senior Buyer, Finance/Purchasing

SUBJECT: Stormwater & Wastewater Sewer Replacement Project (Various Areas):

S Wright Ave, N Carr St, N Karl Johan Ave, S 9th St, N 12th St, N 26th St,

& S 53rd St

Reguest for Bids Specification No. ES20-0001F

**DATE:** October 27, 2020

Pursuant to the City of Tacoma March 12, 2020, state of emergency proclamation in response to COVID-19, made in accordance with Tacoma Municipal Code Chapter 1.10., contract awards for purchases must be approved by the City Manager or designee.

#### RECOMMENDATION SUMMARY:

The Environmental Services Department recommends a contract be awarded to R.L. Alia Company, Renton, WA, in the amount of \$2,434,703.50, plus a 15 percent contingency, for a project contract total of \$2,799,909.02, plus applicable taxes, budgeted from various departmental funds, to replace aging water distribution, wastewater, and surface water pipes, in addition to roadway, curb ramp, and street tree improvements at various locations in Tacoma.

#### STRATEGIC POLICY PRIORITY:

- Strengthen and support a safe city with healthy residents.
- Assure outstanding stewardship of the natural and built environment.

This project will replace aging water distribution pipes, wastewater pipes, and surface water pipes. Roadways impacted by the proposed underground utility replacement work will be restored to existing or better condition. This work support a safe city with healthy residents, and assures outstanding stewardship of the natural and build environment of these neighborhoods.

#### **BACKGROUND:**

This project will replace approximately 1,900 linear feet of surface water main, 1,100 linear feet of wastewater main, and 2,400 linear feet of water main. In partnership with the Public Works Department and Tacoma Water, this project will also include street restoration, curb ramp installation, and street tree improvements. The work will occur at the following locations: S Wright Ave, N Carr St alley, N Karl Johan Ave, S 9th St, N 12th St alley, N 26th St, and S 53rd St alley.

ISSUE: The underground wastewater, surface water, and water mains in these various locations are reaching the end of their design life and are at risk of failure.



ALTERNATIVES: Taking no action would put the City at risk of future pipe failures, which may result in untreated wastewater overflowing into the Puget Sound and/or uncontrolled discharge of surface water that can result in flooding. Pipe rehabilitation was also considered, but the mains are not in adequate condition to do so.

#### **COMPETITIVE SOLICITATION:**

Request for Bids Specification No. ES20-0001F was opened on October 6, 2020. The project was advertised in normal publications. Ten submittals were received.

R.L. Alia Company submitted the lowest bid. The table below reflects the amount of the base award.

Respondent	Location (city and state)	Submittal Amount
R.L. Alia Company	Renton, WA	\$2,434,703.50
Pape & Sons Construction, Inc.	Gig Harbor, WA	\$2,466,750.00
Reed Trucking & Excavating, Inc.	Puyallup, WA	\$2,488,400.20
Rodarte Construction, Inc.	Auburn, WA	\$2,489,748.20
Northwest Cascade, Inc.	Puyallup, WA	\$2,533,760.00
Pivetta Brother's Construction, Inc.	Sumner, WA	\$2,680,121.08
Miles Resources, LLC	Puyallup, WA	\$2,738,744.25
Sound Pacific Construction, LLC	Gig Harbor, WA	\$2,777,335.00
SCI Infrastructure, LLC	SeaTac, WA	\$2,862.103.00
Pacific Civil & Infrastructure, Inc.	Sumner, WA	\$2,901,633.40

Pre-bid Estimate: \$2,962,112.00

The recommended award is approximately 18 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Replacement of these pipes will reduce the risk of failure, thereby reducing the potential for discharge of untreated wastewater into Puget Sound and uncontrolled discharge of surface water that can result in flooding, resulting in a positive environmental impact.

EIC/LEAP COMPLIANCE: The recommended contractor is in compliance with the Equity in Contracting (EIC) Regulation requirements per memorandum dated October 14, 2020. The EIC requirements for this project are 4 percent for MBE, 6 percent for WBE, and 11 percent for SBE. The EIC utilization levels of the recommended contractor, R.L. Alia Company, are approximately 4 percent for MBE, 6 percent for WBE, and 72 percent for SBE. The Local Employment and Apprenticeship Training Program (LEAP) requirements are 15 percent.



#### **FISCAL IMPACT:**

#### **EXPENDITURES:**

FUND NUMBER & FUND NAME	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300 ES Wastewater Fund	ENV-04022-08-04	5330100	\$403,483.37
4301 ES Surface Water Fund	ENV-03031-06-04	5330100	\$963,079.40
1085 PW Streets Initiative Fund	PWK-00438-28-03	5330100	\$461,211.77
Tacoma Water Bond Fund	WTR-00604-01-08	5330100	\$972,134.48
TOTAL			Up to \$2,799,909.02

#### REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300 ES Wastewater Fund	523900	Rate Revenues	\$403,483.37
4301 ES Surface Water Fund	521900	Rate Revenues	\$963,079.40
Streets Initiative Revenues	663020	Revenues	\$461,211.77
4600-13WC Water Bond Fund	586313	6311163	\$972,134.48
TOTAL			\$2,799,909.02

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$2,799,909.02, plus applicable sales tax.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes.

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A.

**APPROVED** 

Elizabeth A. Pauli, City Manager



Memorandum

DATE:

October 15, 2020

TO:

Shannon Wall, P.E., Planning & Engineering Division Manager, Tacoma Water

John Burk, P.E., Environmental Services Division Manager

FROM:

Troy Saghafi, P.E., Planning & Engineering Professional Engineer, Tacoma Water

Jordan Ennis, P.E., Professional Engineer, Environmental Services

SUBJECT:

Agreement for MRP 2019-50 / ES20-0001F

Stormwater & Wastewater Sewer Replacement Project (Various Areas): S Wright Ave,

N Carr St, N Karl Johan Ave, S 9th St, N 12th St, N 26th St, & S 53rd St

Our respective organizations believe a coordinated effort to replace the water, sanitary sewer, and storm infrastructure in conjunction with streets and sidewalk ramp improvements along S Wright Ave, N Karl Johan Ave, and S 9<sup>th</sup> St, under a single City of Tacoma contract, will result in efficiency and cost savings to all parties. Additionally, a joint project will minimize construction disturbance to adjacent businesses and the general public. The following summarizes the arrangements, assumptions, and action items necessary to move forward with this project:

- The project has been combined into a single Environmental Services construction contract. Environmental Services has the responsibility to lead and coordinate the compilation of contract plans and specifications, and to advertise and award the construction contract.
- The Department of Environmental Services will administer the construction contract. Environmental Services will charge Tacoma Water for the additional incremental contract administration time associated with Tacoma Water scope of work. Tacoma Water will compensate the Environmental Services Department in the amount of 3% of the lowest responsible bidders water base bid plus the shared item costs less sales tax. The estimated cost for the Tacoma Water portion of contract administration is \$25,367.75. This amount will be transferred to the Department of Environmental Services via journal entry at the completion of the project. This method is consistent with how construction management and overhead costs were addressed on previous projects.
- Tacoma Water will be responsible for shared street restoration, ADA sidewalk and ramp, and general contract costs as reflected in the Project Breakdown Estimate worksheet (see exhibit A).
   Tacoma Water portion of the shared cost are based on actual bid pricing and are estimated to be approximately \$324,470.73.

As quantities on the Project Breakdown Estimate worksheet are contractor bid estimates, the Departmental actual bid quantities and costs will be separated by the same percentage as the per bid item estimate reflected on the Project Breakdown Estimate worksheet.

 Tacoma Water will provide the WBSE for charging water main construction costs to the Water Division fund. The Water Division WBSE for this project is as follows:

WTR-00604-01-08-03 Construction Payments to ES

 Tacoma Water will be responsible for the cost of water distribution main work, valves, hydrants, trench excavation, trench backfill and compaction to subgrade elevation, mobilization, traffic control, and other appurtenant items directly related to the installation of new water main. These



Memorandum

costs have been segregated within "Schedule D" of the contract bid proposal. Costs for the water distribution main is \$521,121.00.

- Tacoma Water will request authorization from the Public Utility Board to participate in the Environmental Services contract as soon as possible following the determination of the lowest responsible bidder.
- Tacoma Water will be included and fully involved in the initiation, discussion, and review of any addendums, revisions, change orders, or change of scope pertaining to the water main work.
   Any addendums, revisions, change orders, or change of scope pertaining to the water main scope of work or shared bid items shall be subject to the approval of Tacoma Water.
- Tacoma Water will perform all water main construction staking.
- The Department of Environmental Services will act as the overall contract construction inspection lead. Tacoma Water will be responsible for the daily inspection of the water main construction.
   Tacoma Water, Public Works and Environmental Services inspections will be a cooperative and coordinated effort.

We look forward to continuing our spirit of coordination and cooperation to accomplish this and future projects of mutual benefit to the citizens of Tacoma, the Department of Environmental Services, and Tacoma Water. Tacoma Water's total project contribution cost for this project is \$870,959.48. By signature, please indicate your approval to proceed with this joint project.

Shannon Wall	10/15/2020
Shannon Wall, P.E. Planning & Engineering Division Manager	Date
John Burk	10/15/2020
John Burk, P.E. Environmental Services Division Manager	Date

cc: Geff Yotter, Tacoma Water

File MRP 2019-50

# **APPENDIX A**

DocuSign Envelope ID. BC36C801-3BAB-4F97-B5D7-54FEB4EEEBA6
PROJECT NAME: SW & WW Repl. Project (Wright, Johan, etc)
SPEC NO.: ES20-0001F

Version 2020.03

Instructions:
Fill in green cells only, while cells will be autocalculated/filled.
The Item number needs to include three number digits; for example, R1 should be entered as R001
The Unit column includes a drop down menu choice - be sure to fill out the correct unit of measurement
The Tax column in the Water and Wastewater sections includes a drop down menu choice - be sure to select "Yes" for all laxable items

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R002	SPCC Plan	LS	3	\$500 60	\$500.00	17%	85		35%	175		24%	170	YES	15%	75	
R004	Project Temporary Traffic Control	LS	3	\$30,000,00	\$36,000,00	12%	5100		35%	10500		34%	10200	YES	15%	4500	
R006	Clearing and Grubbing	LS	1	\$7 500 00	\$7,500,00	57%	1275		35%	2625		34%	2550	YES	15%	1125	-11
R030	Stormwater Politrion Prevention Plan (SWPPP)	FA	1	\$1,000.00	\$1,000.00	17%	170		35%	350		34%	340	YES	15%	150	-
R031	NPDES Construction Stormwater General Permit	LS	1	\$1,000.00	\$1,500,00	17.5	170		35%	350		34%	340	YES	15%	150	
R034	Erosion/Water Pollution Control	US	1	\$20,000 00	\$20,000,00	17%	340C		35%	1000		34%	6800	YES	15%	300C	
R035	Tree Protection	FA	1	\$1,000.00	\$1,000.00	17%	170		35%	350		34%	340	YES	15%	150	
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R050	Permanent Signing	LS	1	\$4,000.00	94,500.00	17%	880		35%	1400		34%	1360	YES	15%	600	-
WV086	Site Health and Safety Plon	LS	1	\$1,000.00	\$1,000,00	175	170		25%	350		34%	340	YES	15%	150	-
W/087	Site Health and Safety Officer	LS	1	\$500,00	\$500.00	17%	85		35%	175		34%	170	YES	15%	75	
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	rgn Envelope ID. BC36C801-3BAB-4F97-B5D7-54FEB4EEEBA6 Roadway Excavation of Contaminated Material, Incl. Haul	CY	315	\$90.00	\$18 BEC 00	120	\$10,800,00	1	60	\$5,400.00	1	120	\$10.800.00	YES	15	\$1.356.60	YES
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R012	Stump Grinding, Class II	EA	8	\$1 000 00	\$2,000,00	-	\$666.62	-	1	\$196.67 \$196.67	_	1		YES	0	\$3.00	YE
	Remove Existing Pavament, Type II. Class A4	SY	2715	\$12.50	\$38 927 50	810	70.00						\$468.62	YES	0	91,00	YE
	Remove Existing Pavement, Type II, Class C6		4 920		-		\$10 125.00	_	430	\$5.375,00	-	610	\$10,124,00	YES	465	SB 312,50	YE
	Remove Ensting Pavement, Type II: Class CA	SY	320	\$12.50 \$20.00	850: 250 CO	1468	518 354 17		1253	\$15 666.61		1188	\$14.854.17	YES	110	51 375,00	YES
	Remove Existing Payament, Type II, Class H		75		\$6,400.02		\$0,00	-	320	\$6,400.00		0	S0 00	YES	0	90,00	YES
	Remove Curb and Gulter	SY	2 000	\$100,00	\$2,500.00	0	\$0,00	_	0	\$9.00		0	\$0.00	YES	26	\$2,500,00	YES
R017	Crushed Surfacing Top Course	LF	500	\$4.00	\$8,000.00	662	\$2,646.90		637	52 548 10		162	52 646.00	YES	40	5180.00	YE
		TA	1 240	\$60.00	\$30,000,00	100	\$9.606.00		80	\$4,800,00		160	98,600,00	YES	100	\$6,000,00	YES
	Recycled Conc. Aggregate	TN		\$60,00	\$74,400,00	138	\$8,300,00	-	803	349 260 00	1	118	\$7,100,00	YES	180	\$10,000,00	YES
P020	Fiber Reinforced HMA Ct, N. PG 58H-22	Tex	840	\$200.00	S168 000 00	302	\$60 491 67		135	\$77.018.67	1	302	\$60 491 67	YES	100	\$20,000,00	YES
R021	HMA CI. 17 PG 58H-22 for Pevement Patch	TN	185	\$200 00	\$37,000,00	0	SQ.00		160	\$32,000,00		0	50.00	YES	25	35,000.00	YES
R022	Temporary Pavement Patch	TN	60	\$200,00	\$10,000,00	17	\$3 233 33		17	\$3.333.33		17	53,333.33	YES	0	\$41.00	YE
	Planing Bituminous Pevement	\$Y	3,600	\$1,00	\$3,600,00	1490	\$1,490,13		620	S619,T9		1490	\$1,490,13	YES	0	\$0,00	YE
	Cement Gonc, Pavement, 8-Inch Section	SY	220	\$75.00	\$16,500.00	7	\$500.00		122	\$9 125 00		. 7	\$500.00	YES	85	56.875.00	YE
R025	Cement Conc. Pavement, 8-Inch Section	SY	3,200	\$90,00	5288 000 60	1180	\$106,200.00		1010	\$90,900,00		1610	\$90 990 GC	YES	a	\$0.00	YES
R026	Adjust Existing Manhole, Furnish New Frame and Cover	EA.	κ.	\$1,000.00	\$5,000.00	2	\$2,000.00		1	\$1,000.00		2	\$2,000,00	YES	Ð	\$0.00	YE
R027	Adjust Existing Catch Basin, Furnish New Frame and Grate	EA.	3	\$1,000.00	\$3,000.00	1	\$1,000.00		0	S0 00		1	\$1,000.00	YES	1	\$1.000,00	YE
R028	Adjust Existing Vatve Chamber to Grade	EA	8	\$600.00	\$4,800,00	3	\$1,800.00		2	\$1,200.00		3	91.800,00	YES	9	\$0.00	YES
R029	Adjust Existing Utility to Grade	EA	2	\$1 000 00	\$2,000.00	1	\$1,000,00		0	\$0.00		1	\$1,000.00	YES	0	\$0.00	YES
R032	Inlet Protection	EA	67	\$50,00	53.350.00	18	3875.00		13	\$650.00		17	\$825.00	YES	20	\$1,000,00	YES
R033	Street Cleaning	HR	60	\$220,00	\$13,200.00	15	\$3,300,00		15	\$3,300,00		16	\$3,300,00	YES	15	\$3,300,00	YES
RG37	Plant Selection Type Quercus Frametro	EA	5	\$600.00	\$3,000.00	2	\$1,000.00		2	\$1,000 co		2	\$1,000.00	YES	0	\$0.90	YES
R038	Plant Selection Type Pheliodendron Lavaller	EA.	4	9600 00	\$2,400,00	1	\$800.00		1	\$800,00		1	\$800.00	YES	0		
	Plant Selection Type Jumperus Virginiana	EA	3	\$600.00	\$1,800,00		\$600.00		1	\$600.00		1	\$600.00	YES	0	\$0.00 \$0.00	YES
R040	Plant Selection Type Cornus Kousa	EA	7	\$600,00	\$4,200,00	1	\$1,400.00	_	2	81 400 00		2	\$1 400.00	YES	0	\$0.00	YES
F041	Plant Selection Type Crataegus Viridis	EA	5	\$600.00	\$3,000,00	2	\$1,000.00		2	\$1,000,00		2	\$1,000,00	YES			YES
R042	Cement Conc. Traffic Curb and Guller	LF	2,165	\$30.00	\$64 950 00	717	\$21,495.00	_	692	\$20 750.00	_	717	\$1,000,00		0	\$0.00	YES
	Brick Gutter Repair	SF	100	\$50.00	\$5,000.00	100	\$5,900.00		092	\$0.00		0		YES	40	\$1,290,00	YES
	Cement Conc. Driveway Entrance Type 1	81	85	575 00	\$6.375.00	100	\$0.00	_	0		-	-	\$0.00	YES	0	\$0.00	YES
	Raised Psyement Marker Type 2	HN	- 1	\$800.00	\$890.00	0	\$166.67		0	50.00	_	0	\$0.00	YES	85	\$6,375,00	YES
R046	Poured Monument		B	\$500,00				-	0	\$266,67		0	\$266.67	YES	0	\$0.00	YES
R047	Cernent Conc. Sidewalk	EA SY	170		\$3,000,00	2	\$1 093 33	-	2	\$833.33		2	\$1.083,33	YES	0	\$0,99	YES
R048	Cement Conc, Curb Ramp	EA	36	\$50.00 \$2.000.00	\$8,500,00	58	\$2.875.00		45	\$2 250 00	-	58	\$2.875,00	YES	10	\$100.00	YES
						13	\$26.686.67		9	\$18,665,67		13	\$26,666,67	YES	0	\$0.50	YES
R049	Intersection Improvements Paint Line	LS	428	\$42,000,00	\$42,000,00	1.	\$42,000,00		0	\$0.00		0	\$0.90	YES	0	\$0.00	YES
1000	Painted Wide Lanc Line	LF		\$1,50	\$630.00	162	\$242,50	1/4	97	\$145,00		162	\$242.50	YES	0	\$0.00	YES
R052		UF.	80		\$320.00	21	\$108.67	_	27	\$106,67	15	27	\$106.67	YES	0	\$0,90	YES
	Plastic Stop Line	LF	25	\$10.00	\$250.00	8	\$83,33		8	\$93.33		- 8	\$83.33	YES	0	50,90	YES
R054	Plastic Crosswalk Line	LF .	180	\$15.00	\$2,700.00	- 60	\$900.00		60	\$900.00		60	\$800.00	YES	0	\$0,00	YES
R055	Plastic Traffic Arrow	EA	- 2	\$150.00	\$300.00	-1	\$100.00		1	\$100.00		1	\$100.00	YES	0	50.00	YES
R056	Plastic Traffic Letter	EA	14	\$150.00	52,100.00	5	\$700,00		5	\$700,00		5	\$700.00	YES	0	\$0.00	YES
S057	Structure Excavation Class B	CA	1,690	\$30,00	\$50,700.00	. 0	\$0.00		1690	\$50,700.00		0	S0 00	YES	0	\$0.00	YES
8058	Shoring or Extre Exceivation Class 8	SF	19,920	\$1.00	\$10 920 00	G	\$0.00		10920	\$10,920,00		0	\$0.00	YES	0	\$0.00	YES
S059	Remove Manhole	EA	- 1	\$1,000.00	\$1,000.00		\$0.00		1.	\$1,000,00		0	50.00	YES	0	\$0.00	YES
8980	Manhole 48-In, Diem. Typa 1	EA	9	\$4 250 00	\$38,250,00	0	SD 00		9	\$38,250.00		0	\$0.00	YES	0	\$9,00	YES
5061	Manhole 48-In Diam. Type 1 with Beehive Grate	EA .	1	\$5 000 00	\$5,000,00	0	30.60		1	\$5,000,00		0	\$0.00	YES	0	\$0.00	YES
S052	Catch Basin Type 1	EA	4	\$1 500.00	\$6,000,00	. 0	50.00		4	\$6,000.00		0	50.00	YES	0	\$0.00	YES
3063	Catch Basin Type 1 with Combination Inlet	EA	15	\$1,700.00	\$25.500.00	0	\$0.00		15	\$25,500.00		0	\$0.00	YES	0	\$0.00	YES
9084	30-in, x 60-in, Typo BB Curb Inlet	EA	1	\$12,000.00	\$12,500.00	0	\$0.00		1	\$12,000.00		0	\$0.00	YES	0	50.00	YES
9065	Abandan Existing Manhole	-EA		\$1,000,00	\$1,000,00	0	\$0,00		1	\$1,000.00		0	\$0.00	YES	0	50.00	YES
8086	Connect New Sewer Pipe 10-In: Diam. To Existing Structure	EA	3	\$1,000.06	33 000 00	8.	\$0.00		3	53 000 90		0	50.00	YES	0	80.00	YES
	Reconnect Existing Sewer Fipe 6-In, Diam. to New Structure	EA		\$1,000,00	\$1,000,00	D	\$0.00		1	\$1,000.00		0	50.00		0		
	Reconnect Existing Sewer Pipe 8-In, Diam, to New Structure	EA	- 2	\$1,000.00	\$2,000.00	0	80.00		2	S2 000 00		0	\$0.00	YES	0	\$0,90	YES
8069	Reconnect Existing Sewer Pipe 10-In, Diam, to New Structure	EA	- 3	\$1,000.00	\$1,000.00	0	\$0.60		1	\$1,000,00		2	\$0.00	YES		\$0.00	YES
	Reconnect Existing Sewer Pipe 18-In Diam, to New Structure	EA	2	\$2 000 00	\$4,000,00	-	\$0.60		1	\$4,000,00		0	\$0.00 \$0.00	3.400	0	\$3,90	YES
	Plugging Existing Pipe	EA	72	\$250.00	\$5 500 0G	0	\$0.00	-	22	\$4,000,00 \$5,500,00		0		YES	0	\$0.00	YES
9072	CDF for Prps Abandonment	CY	10	\$200.00	\$14,000.00	0	50.00		22				\$0.00	YES	0	\$9,00	YES
8073	Underground Utility Potholog	EA	4	\$750.00	\$3,000.00	0				\$14,000.00		0	\$0.00	YES	0	90,00	YES
5074			- 1				\$0.00	-	4	\$3 000 00		9	\$0.00	YES	0	\$9.00	YES
	Temporary Storm Sewer Bypass	LS		\$500.00	\$500.00	0	\$0.110			\$500.00	-	-81	\$0.95	YES	0	90.00	YES
		LS	10	\$1,000.00	\$1,000.00	0	\$0.00		1	\$1,000,00		0	\$0.00	YES	0	\$0,00	YES
	PVC Storm Sewer Pipe 8-In, Diam,	LF		\$115.00	\$1 150 00	0	\$0.00		10	\$1 150 0D		0	\$0.90	YES	0	\$0,00	78
5077	FVC Storm Sewer Pipe 12-In: Dram	LF.	1,415	\$115.00	\$162,725.00	0	SG-00		1415	\$162,225,00		0	\$0,00	YES	0	\$0.00	YE
9078	PVC Storm Sower Pipe 18-In: D/am	LF	,110	\$115.00	\$12,650.00	0	\$6.00	11	110	\$12,650.00		0	\$0.00	YES	0	80,00	YES
5079	Ductile iron Sewer Pipe 10-In: Dilam,	LF	340	\$115.00	539 100.00	O O	\$0.59		340	\$39,100,00		0	\$0.05	YES	0	\$9.00	YES
S050	Removal and Replacement of Unsuitable Material	CY	1,310	\$1.00	\$1,310,00	0	\$0.00		1310	\$1,310.00		0	\$0.00	YES	0	\$0.00	YES
S0B1	Removal and Replacement of Unsuitable Contaminated Material Incl Houl	CY	130	\$200.00	\$26,000.00	0	\$0.60		130	926 906 09		0	\$0.00	YES	0	\$5.00	YE
5082	Testing Sewer Pipe		1,875														

ANNOB.	Structure Excavation Class B	O.K.	1,010	\$30.00	630,300,00	0	\$6,60		0	S0 00	0	\$6 GO	YES	1010	\$36,306,00	
	Shoring or Extra Excavation Class B	SF	7,530	\$1.00	\$1.50,00	0	SC 00		0	50.00	0	\$0.00	YES	75/90	\$7,530.00	
	Remove Catch Basin	EA		\$500.00	\$500,00	0	56 00		0	30.00	0	50.00	YES		\$500.00	
	Manhale 48-In, Diam, Type 1	EA	8	\$4,000.00	\$32 000 00	0	SC IN	10	0	50.00	0	50.00	YES	8	\$32,600,60	
	Manhole Additional Height 48-In, Dlam, Type 1	LF	1	\$250.00	\$250.00	0	80 00		0	\$0.00	0	\$6.00	YES	5	\$250.00	
V09	Catch Basin Type 1	EV	- 1	\$1,500.00	\$1,500,00	0	\$0.00		0	\$0.00	0	\$0.00	YES	1	\$1,500.06	$^{+}$
MQ9,	Reconnect Existing Sewer Pipe 8-In, Diam, to New Structure	EA	4	\$1,500,00	\$6,000,00	0	\$3.00		0	90.00	0	80.00	YES	4	56 000 00	+
.60M	Plugging Existing Pipe	EA	11	\$250.00	92 750 00	0	\$0.00		0	50.00	0	\$0.00	YES	11	\$2,750.00	
AGB.	CDF for Pipe Abandonment	CY	20	\$200.00	\$4,000,00	0	SO DC		0	\$0.00	0	50 O.	YES	90	\$4,000,00	_
W09!	Underground Utility Potholing	EA	2	\$750.00	\$1,500,00	0	\$0.00		0	\$0.00	0	50.00	YES	2	\$1,500,00	+
W098	Temporary Santary Sewer Bypass Plan	LS	1	\$500.00	\$500.00	0	S0 00		0	80.00	0	\$6.00	YES		\$500.00	+
W091	Temporary Sanitary Sewer Bypass	LS	- 1	\$1,000,00	\$1,000,00	0	\$0 &B		0	\$0.00	0	\$0.00	YES	,	\$1,000,00	+
MOB	PVC C900 Sanitary Sewer Pipe 6-In. Diam.	(F	25	\$125.00	\$2,500,00	0.	90.00		0	\$0.00	0	50.00	YES	202	\$7,500,00	+
	PVC C900 Sanitary Server Pipe 8-In, Diam.	LF.	75	\$125.00	\$9 375 06	0.	\$0.00		0	\$0.00	0	50.00	YES	75	\$9 375 00	$\rightarrow$
W101	PVC Sanitary Sawer Pipe 6-In, Diam.	15	286	\$125.00	\$35,000,00	0	\$0.00		0	90.00	0	50.00	YES	280	\$35,000,00	+
	PVC Sanitary Sewer Pipe 8-In. Dipm.	LE	660	\$125.00	\$82,500.00	0	\$0 G0		0	50.00	0	\$0.0G	YES	660	\$32,500,00	$\rightarrow$
	Ductile iron Sewer Pipe 10-In, Diam,	(P	50	8125.00	\$8 250 00	1 8	90 00		2	\$0.00	0	\$0.00	YES	50	\$6,250,00	-
W10.	Removal and Replacement of Unsultable Material	DY.	790	\$1.00	\$190.00	0	50.00		0	80.00	9	S0 00	YES			-
W10-		CY.	50	\$85.00	\$4,250.00	0	\$0.00	-	0	\$0.00	0	\$0.00		790	\$790.00	-
N10		LF.	710	\$2.00	\$1,420.00	0	50.00		0	\$0.00	0	\$0.00	YES	50	\$4,250.00	-
110	Sewer Cleanout	EA .	26	\$350.00	\$7 000 00	0	S0.00		0	\$0.00	0		YES		\$1 420.00	-
x 2 1 0 0	Removal and disposal of existing pavement, sidewalks, curbs, and gutters includes	GM.	889	9390 00	51 000 00	-	40.00		-	ai) 00	U	50.00	YES	10	\$7,000,00	-
V108	all thicknesses & combinations	SY	707	\$10.00	\$8.889.50	0	SO CO		0	\$0.00	689	\$8 889.50	YES	0	S0 00	
V109	Temporary HMA CI 1: PG58-22, 2-inch min depth, installed 8 removed	SY	850	\$15.00	\$12 (54.50		\$0.60	11	0	\$0.00	910	512 754 50	YES	9	80.00	+
V110	HMA GI 15" PG58-22 pavement for permanent trench patch	TN	3	5300 00	\$90,00	0	\$0.50		0	80.00	3	\$990.00	YES	0	\$3.00	-
V111	Cement Conc. Pavement, Ct. 4000	CY	29	\$100.00	\$2 940 00	- 0	50.00		0	50.00	29	\$2,940,00	YES	0	\$0.00	-
	Crushed Surfacing Top Course for trench backfill per section 9-03.9(3) of the 2020		2,286	711111				_				02 0 10 00	160		90 00	$\rightarrow$
V112	WSDOT Standard Specifications	Thi		\$33.90	\$75,444,60	2	\$0.90		0	\$5.00	2286	\$75 444 50	YES	6	\$9.00	
/113	Storm Sanitary and Sido Sewer Restoration	EA		\$1.00	00.18	0	\$0,00		0	50,00	7	\$7.00	YES	G	\$0.00	
1114	Trench Excavation and Disposal	U	1.114	\$36.00	\$40 104.06	5	50.00		0	\$9.00	1114	\$40.104,60	YES	0.	\$0.00	$\neg$
/115	Trench Shoring	1F	2,552	\$1.00	\$2 552 00	0	S0.00		0	\$9.00	2592	\$2.552.00	YES	0	50.00	_
	15-inch Ductile fron Pipe, Push-On Joint, ANSI/AVWA, C151, Speniel Class		84													-
V116	Thickness No. 52, to furnish, lay and test  12-inch Ductile from Pipe, Push-On Joint, ANSI/AV/AVA, C151, Special Class	LF.		\$150 00	\$12,540,00	0	\$0.00	-	0.	90,00	84	\$12,540,00	YES	0	\$0.00	
W117	Thickness No. 52 to turnish few and test	LF.	51	\$140.00	\$7.084.00	D	90.00		0	\$0.00	51	57 OS4 00	YES	e		
41.77	8-Inch Ductile fron Pipe, Push-On Joint, ANSVAWWA, C151, Special Class	- M	3	0140.00	31 001 00		20.00	-	0	37.00	- 2	87 084 00	160		\$0.00	-
V118	Thickness No. 52, to furnish, lay and test	LF		\$209.00	\$660.00	0	50.00		0	50.00	3	\$660.00	YES	0	\$0.90	- 1
	6-inch Duckle Iron Pipe Push-On Joint, ANSI/AWWA, C151, Special Class		2,415													-
W119	Thickness No. 52 to furnish tay and test	LF		\$70.00	\$169,615,00	0	\$0.00		0	\$0.00	2415	\$189,015.00	YES	0	\$0,00	
W120	12-inch x 6-inch Ductile Iron Reducer, 2-B, M J., w. anchor, installed	EA	.1	\$170,00	\$170,00	0	\$0.00		0	SQ 00	1	\$170.00	YES	0	\$0.06	
V121	8-inch x 6-inch Duable Iron Reducer, 2-B, M J, w/ anchor, installed	EA	- 1	875.00	\$75.00	0	\$6.00		0	\$0.00	3.	\$75.00	YES	0	\$0.00	Т
V122	16-inch x 6-inch Ductile Iron Tee, 3-B, M,J., installed	EA	2	\$550,00	\$1,100,00	0	\$0.00		0	\$0.00	Ž.	\$1.160,06	YES	0	\$0.00	
V123	12-inch Ouctile Iron Tee, 3-B, M.J. installed	EA.	- 1	\$350.00	\$350,00	0	\$6.00		0	90,00	1	\$350,00	YES	0	\$0.00	
V124	6-inch Ductile Iron Tee, 3-B, M.J., installed	EA	В	\$150.00	\$1,200.00	(0)	\$0.00		0	90.00	B	\$1,200,00	YES	0	\$0.00	-
V126	16-Inch Ductile Iron Ell. M.J., 22 1/2" Instalfed	EA	- 2	\$400.00	\$800.00	D	\$0.00		0	\$0.00	- 2	\$800.00	YES	0	\$0.00	-
V126	16-inch Ductile fron Ell. M.J., 45" installed	EA	2	8400.00	\$800.00	0.	\$0.00		0	\$9.00	2	\$800.00	YES	0	50.00	-
/127	12-inch Duchle fron Eil, M.J., 45" installed	EA	4	\$200.00	\$800.66	0	90.00		0	50.00	4	\$800,00	YES		\$0.00	-
V128	6-inch Duckle fron Ell, M. J., 45° installed	EA.	14	\$75.00	\$1,050.00	0	86,00		0	\$0.00	14	\$1,050,06	YES	- 0	\$0.00	-
V129	6-Inch Ductile Iron Eff. M.J., 22 1/2 Installed	SA	2	\$10,00	\$140.00	8.	50.00	1	0	\$0.00	9	\$140.60	YES	0	\$0.00	-
V130	6-moh Duckle fron Vertical Elk M.J., 22 1/2" installed	EA	2	\$70.00	\$140.00	0	\$0.00		0	\$0.00	- 1	\$140.00	YES	0	SG/00	-
V131	12-rich Ducble (ron Solid Sleeve (Long Pattern) M.J. Instatled	EA.	1	\$200.00	\$200.00	0	\$0.00			\$0.00	-	\$100,00	YES	0	\$0.00	-+
	16-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless		4	4577.50	02130100		00.00	+-	-	9730		3200077	100	- 0	SILIAU	$\rightarrow$
V132	steel bolts, C I, to D.L, installed	EA		\$650.00	\$2,600,00	0	\$0.00		C	SD 00	4	\$2,600,00	YES	0	50.00	- 1
	12-inch Transition Goupling with 7-inch center ring, epoxy coating, and stainless		- 1													_
N133	steel bolts. C.L to D.L. installed	EA		\$400.00	\$400.00		96.00		0	\$0.00		\$460.00	YES	0	\$0.DG	- 1
V134	8-inch Transtrion Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts. C.L. to O.L. installed	FA	1	\$250,00	\$250.00		\$0.00		0	\$9.00	3		1000			П
V 1 34	6-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steat	EW		96.35 36	25,20,00	-	\$0.00	-	0	80700	,	\$250.00	YES	0	\$0.00	
/135	bolts C I. to D.I. installed	EA		5200.00	\$1,000.00	0.	56.00		0	80.76	- 5	\$1,000.00	YES	0	\$0.00	
/136	16-inch Ductile fron Cap. M.J. tapped 4", installed and removed	EA	4	\$450.00	\$1,800,00		\$0.00		0	50.00	4	\$1,800.00	YES	0	\$0.00	-
137	6-inch Ductile Iron Cop. M.J., tripped 2" installed and removed	EA	6	580.00	\$480.00	0	\$9.90	1	0	\$0.00	5	\$480.00	YES	0	\$0.00	-
138	Temporary 2-inch Blow-Off Assembly, installed & removed (Dwg. 17-56-1)	EA.	- 5	\$250.00	31.00.00	6	\$0.00	+	0	SU 00	6	\$1,500.00		9		-
139		EA	1	\$370.00	\$900.00	-	\$0.00	1	0	\$0.00		\$1,500,00	YES		\$0.00	-
140	6-inch Machanical Joint Restraining Glands, installed	EA	67	\$35.00	\$2,345.00	-	\$0.00	-	D D		-		YES	0	90.00	
/140	8-inch Mechanical Joint Restraining Glands, installed	EA EA	01			0		-		90,00	6(	\$2 345 DC	YES	0	\$0,00	_
_			12	\$50.00	\$150.00	9-	\$0.00		0	\$0.00	3	\$150.00	YES	.0	90.00	_
142	12-inch Mechanical Joint Restraining Glands, installed	EA		\$125.00	\$2,125.00	0	\$0.00	-	0	\$0.00	57	\$2 125.00	YES	0	\$0.00	
143	16-Inch Mechaninal Joint Restraining Glands, installed	EA	12	\$170.00	\$2,040.00	0	\$0.00		9	\$9.00	52	\$2,040,00	YES	0	\$9.00	
1144		EA	2	\$70.00	\$140,00		\$0.00		0	\$9.00	2	\$140 PC	YES	0	\$9.00	
/145	Concrete Thrusi Anchor, installed	EA	36	8300.00	\$9,000,98	18	\$6.00		D	\$0.00	30	59 000 90	YES	0	\$9.00	
V146	Temporary Concrete Thrust Anchor, installed and removed	EA	8	\$400.00	\$3,200.00	6	SC (3)		0	80.00	8	\$3,760.00	YES	0	\$0.00	П
	Removal and disposal of abandoned C I, pipe, all sizes	Le	60	\$20.00	\$1,206.00		\$6.00		0	\$0.00	60	\$1,100.00	(ES	0	\$2.00	$\overline{}$

W148 Trench Compaction Test (as directed by the Inspector)	EA	46	\$25.00	81 190 00	2	50 00		90.00	46	\$1,150.00	YES	4	\$0,00	78
150 18-inch 8/F Valve M.J. ANSI/AWWA C504 with C.I. Valve Box installed	EA	4	\$3 100 00	\$12,400.00	0	S0 00	0	90.00	4	\$12,400,00	YES	0	92.00	Y
1151 12-nnih B/F Vnive, M.J., ANSVAWWA, C504 with C1 Volve Box, installed	EA		\$1.800,00	\$1,800.00		\$9.00	0	\$0.00	5	\$1.800.00	YES		\$0.00	Y
V162 G-Inch Gate Valve, M.J., ANSYAV-WA, C309/515, with C.I. Valve Box, Installed	EA	15	\$700,00	\$16 500 00	0	50.02	0	\$0.00	15	\$10,500,00	YES	0	84.00	Y
5-inch Hydrant M.J. 4,5-h bury with 4-inch facoma Standard Threads & 5-inch Cruek Coupling	EA	3	do non no	040 000 00		00.00		20.00			1000			
5-trich Hydren! M.J., 5.0-ft bury with 4-inch Tecoma Standard Threads 8.5-inch	EA.		\$6,000,00	\$18,000,00	0	\$0.00	.0	30.00	3	\$18,000,000	YES	0	50.00	Y
V154 Quick Coupling	EA	33	\$6 500,00	56,500,00	0	90.60	0	80 00	1	\$6,500,00	YES	D	50 C2	¥
W155 Street cleaning with Self-propelled pickup and vacuum street sweeper equipment	HR	, ,	\$220.00	\$1 260.00	8	80.00		\$0.00	33	\$7 250 00	YES	0	\$11.00	Y
V157 Trench Excavation & Disposal of Contaminated Materials. Incl. Haul to LRI	CY	295	\$75.00	\$22,125,00	- 0	80.00	0	90.00	295	\$22,126,00	YES	0	90.00	Y
	AC	0	\$0.00	50.00	0.	\$0.00	0	\$0.00	0	\$0.00	YES	0	50.00	Y
	AC		SO 00	50.00	0	80.00	0	\$0.00	0	SC 00	YES	G.	\$0.00	Y
	AC	6	\$0.00	50.00	0	50.00	0	\$0.00	9	50.00	YES	0	\$0.00	Y
			Subtotal	\$1,011,770.60		\$359,651.13		\$750,417.75		\$739,771.73			\$314,412.50	
WATER ITEMS NOT INCLUDED IN PERCENT PARTNERSH	D CALCUL ATIO	Ne			E.		4			W				
WATER HEMS NOT INCLUDED IN PERCENT PARTNERSH	PCALCOLATIO									VV				
m# Bld Item Name	Unit	Total Proj Qty	Unit Price	Amount		Note: tem blad it	this collegery should	rechale:	QTY	55	Tax?			
W107 Mobikzatian	LS	1	\$7,500.00	\$1,500.00	No. of Lot		named by he spitting		1,60	\$7,500,00	YES			
V149 Test Holes	LS	1	\$5,000.00	\$5,600.00			Wide charges to pay		1.00	\$5,000,00	YES		TOO THE REAL PROPERTY.	-
W156 Force Account	FA	3	\$60,000,00	\$50 000 00			ver satisfactor. These in		1.00	\$60,009.00	YES			1
	AC	0	SD 60	\$0.00		beliefe recipilation	and traffic control, fo		.0.50	\$0.00	YES			
	AC	0	\$0.00	\$0.00	District of the last				2:00	50.00	/ES			
			Subtotal	\$72,500,00		The second second				\$72,500.00				_
ARED BY PERCENTAGE (ALL)						PW \$16.660.00		\$W \$34,300.00		W \$33,320,00			WW \$14,700.00	
TEMS CALCULATED BY PERCENTAGE  HARED BY PERCENTAGE (ALL)  HARED BY PERCENTAGE (EXCLUDING WATER)  EMS CALCULATED BY QUANTITY  HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCE	NT PARTNERSHI	P CALCULATIO	NS			\$16,660.00 \$25,000.00		\$34,300.00 \$53,000.00		\$33,320,00	73		\$14,700.00 \$22,000.0	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)		P CALCULATIOI	NS			\$16 660.00		\$34,300.00					\$14,700.00	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)  IEMS CALCULATED BY QUANTITY  HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCE		P CALCULATIOI	NS			\$16,660.00 \$25,000.00		\$34,300.00 \$53,000.00		\$33,320,00 \$739,771.			\$14,700.00 \$22,000.0	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)  EMS CALCULATED BY QUANTITY  HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCENT  ATER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULAT		17,00% 35,00% 34,00%	NS			\$16,660.00 \$25,000.00 \$359,651.13		\$34,300.00 \$53,000.00 \$750,417.75		\$33,320,00 \$739,771, \$72,500.			\$14,700.00 \$22,000.0 \$314,412.5	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)  EMS CALCULATED BY QUANTITY  HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCENTER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULATOTAL  Ercent Participation Calculation for Items that include all Utilities Public Works Stormwater Water	\$359,651.13 \$750,417.75 \$739,771.73 \$314,412.50	17.00% 35.00% 34.00% 15.00%		e should add up to	y 100% but may	\$16,660.00 \$25,000.00 \$359,651.13	ounding.	\$34,300.00 \$53,000.00 \$750,417.75		\$33,320,00 \$739,771, \$72,500.			\$14,700.00 \$22,000.0 \$314,412.5	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)  EMS CALCULATED BY QUANTITY HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCE ATER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULAT  OTAL  Froent Participation Calculation for Items that include all Utilities Public Works Stormweder Water Wastewater	\$359,651.13 \$750,417.75 \$739,771.73 \$314,412.50	17.00% 35.00% 34.00% 15.00%		e should add up to	s 100% but may	\$16,690.00 \$25,000.00 \$359,651.13 \$401,311,13	ounding.	\$34,300.00 \$53,000.00 \$750,417.75		\$33,320,00 \$739,771, \$72,500.			\$14,700.00 \$22,000.0 \$314,412.5	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)  IEMS CALCULATED BY QUANTITY  HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCENTERS IN THE PROPERTY OF	\$359,651.13 \$750,417.75 \$739,771.73 \$314,412.50 . \$2,164,253.10	17.00% 35.00% 34.00% 15.00%		e should add up to	s 100% but may	\$16,690.00 \$25,000.00 \$359,651.13 \$401,311,13	ounding.	\$34,300.00 \$53,000.00 \$750,417.75		\$33,320,00 \$739,771, \$72,500.			\$14,700.00 \$22,000.0 \$314,412.5	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)  EMS CALCULATED BY QUANTITY HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCE ATER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULAT  DTAL  BY CONTROL OF THE STREET OF	\$359,651.13 \$759,417.75 \$739,771.73 \$314,412.50 \$2,164.253.10	17,00% 35,00% 34,00% 15,00% 101,00%		e should add up to	s 100% but may	\$16,690.00 \$25,000.00 \$359,651.13 \$401,311,13	ounding.	\$34,300.00 \$53,000.00 \$750,417.75		\$33,320,00 \$739,771, \$72,500.			\$14,700.00 \$22,000.0 \$314,412.5	
IARED BY PERCENTAGE (ALL) IARED BY PERCENTAGE (EXCLUDING WATER)  EMS CALCULATED BY QUANTITY  IARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCENTERS INCLUDED IN PERCENT PARTNERSHIP CALCULATOTAL  Public Works Stormwoder Waster Wastewater  TOTA  TO	\$359,651.13 \$759,417.75 \$739,771.73 \$314,412.50 \$2,164,253.10 \$359,651.13 \$750,417.75	17.00% 35.00% 34.00% 15.00% 101.00%		e should add up to	s 100% but may	\$16,690.00 \$25,000.00 \$359,651.13 \$401,311,13	ounding.	\$34,300.00 \$53,000.00 \$750,417.75		\$33,320,00 \$739,771, \$72,500.			\$14,700.00 \$22,000.0 \$314,412.5	
HARED BY PERCENTAGE (ALL) HARED BY PERCENTAGE (EXCLUDING WATER)  EMS CALCULATED BY QUANTITY HARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCE MATER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULAT  DTAL  ercent Participation Calculation for Items that include all Utilities Public Works Stommoder Water Wastewater  TOTA  TOTA  ercent Participation Calculation for Items that Exclude Water Public Works	\$359,651.13 \$759,417.75 \$739,771.73 \$314,412.50 \$2,164.253.10	17.00% 35.00% 34.00% 15.00% 101.00%		e should add up to	o 100% but may	\$16,690.00 \$25,000.00 \$359,651.13 \$401,311,13	ounding.	\$34,300.00 \$53,000.00 \$750,417.75		\$33,320,00 \$739,771, \$72,500.			\$14,700.00 \$22,000.0 \$314,412.5	

\$401,311.13 PWK-08438.28 \$837,717.75 ENV-03031-06 \$845,591.73 WTR-08004-01-08 \$351,112.20 ENV-04022-05 \$2,435,733.10 "THIS AMOUNT SHOULD MATCH THE ACTUAL BASE BID PRICE

Sales Tax Calculation

Total Base Bid Public Works Stormwater Water Wastewater DocuSign Envelope ID: BC36C801-3BAB-4F97-B5D7-54FEB4EEEBA6 Sales Tax Rate

Total Taxable Public Works Items Total Tax - Public Works

Total Taxable Stormwater Items Total Tax - Stormwater \$0.00 \$0.00

Total Taxable Water Items Total Tax - Water \$845,591.73 \$86,250.36 \$351,112,50 \$35,813.48 Total Taxable Wastewater Items Total Tax - Wastewater

\$122,063.83 Total Sales Tax

General Practice for Sales Tax:

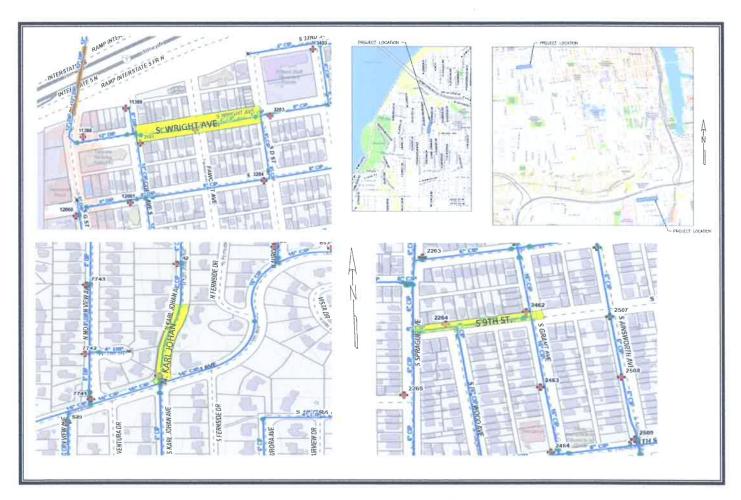
Wastawater & Water surface restoration Items are non-taxable ONLY in areas where there is a partnership with Public Works to also build roadways or where ES is building roadways (pervious projects).

Wastawater and Water surface restoration Items are taxable If this project will not build a roadway regardless of whether it is a partnership project (ie, only replacing C&G, sidewalk, driveways, minor roadway palching, etc.) Work occurring on private property for real influe-thway its start dengardless of which buildy pays for the work

Items in the Roadway Schedule that are not roadway related items (such as mobilization, SPCC Plan, Project Red Lines, etc.) ARE taxable for Wastewater and Water utilities

10.20%

\$0.00 \$0.00



**Project Extents - SW REGIONS**